

RAYMOND DALE MADDEN ***

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: RAYMOND DALE MADDEN

CONFIRMATION NO. 4077

APPLICATION NO: 10/757,254

FILED : JANUARY 13, 2004

EXAMINER:

FOR: "DOWNHOLE RESETABLE JAR TOOL WITH AXIAL PASSAGEWAY
AND MULTIPLE BIASING MEANS"

September 25, 2004

PRIOR ART STATEMENT

Mail Stop Missing Parts
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Honorable Sir:

In compliance with the duty to disclose information which is material to the examination of this application, enclosed herewith, for the Examiner's consideration, is a list of the following pertinent prior art:

Inventor	Patent No:	Patent Date:
1. Osmun	2,706,616	April 19, 1955
2. Kinley et al.	2,739,654	March 27, 1956
3. Skinner et al.	4,508,174	April 02, 1985
4. Templeton	4,646,830	March 03, 1987
5. Restarick, Jr. et al.	4,736,797	April 12, 1988
6. Godfrey et al.	4,921,438	May 01, 1990

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DPS 7. Buyers et al. Pub.No. US2002/0112866 A1 August 22, 2002
DPS 8. Brewer Pub.No. US2002/0104380/A1 August 02, 2002

REMARKS

1. The Osmun Patent, No. 2,706,616, teaches a conductor line jar wherein the conductor 102 of cable 99 extends axially through the jar so that jarring operations do not interfere with the flow of current through the conductor. An instrument package is supported below the jar and is connected to the lower end of the conductor. The hammer and anvil, respectively, are referred to as a cylindrical member 30 and a sleeve 40; respectively, while a piston 47 serves as a hydraulic releasing member for imparting a force into the jar hammer. Applicant, on the other hand, employs a mechanical releasing apparatus, as well as spaced stored energy chambers, for accelerating a hammer for impacting an anvil, whereas Osmun relies on wireline tension for accelerating a hammer.

2. The Patent to Kinley et al, No. 2,739,654 shows a back-off jar for imparting a rotary jarring action to threaded sections of pipe in a well bore. The spring 18 does not appear related to accelerating a hammer against an anvil, so there is not disclosed therein the recited spaced spring chambers, nor is there found the through tool axial conductor for communicating an instrument package with the surface. Accordingly the Kinley et al reference appears non-anticipatory.

3. The Skinner et al Patent, No. 4,508,174, discloses a downhole tool having the dual function of sampling well fluid as well as providing a jar tool 86 having apparatus that provides a jarring action selectively in an uphole or downhole direction. The spring 10 biases slide means 8 in an upward direction while cap 48 forms shoulder 50 for abutting slide means 8. The actual dual

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